

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628654

Luminaire Tested: GWS-SA1A-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.8 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

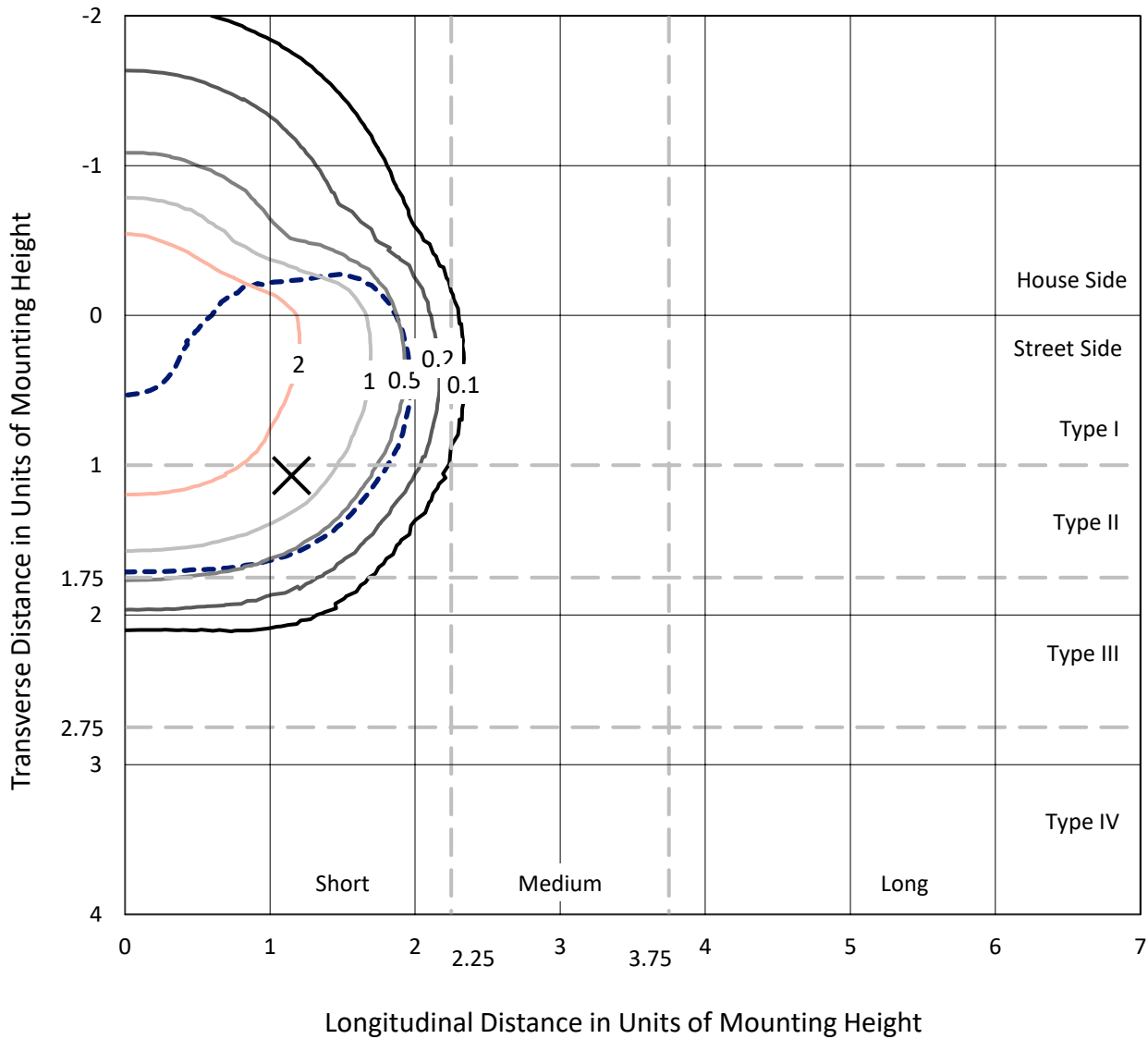
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

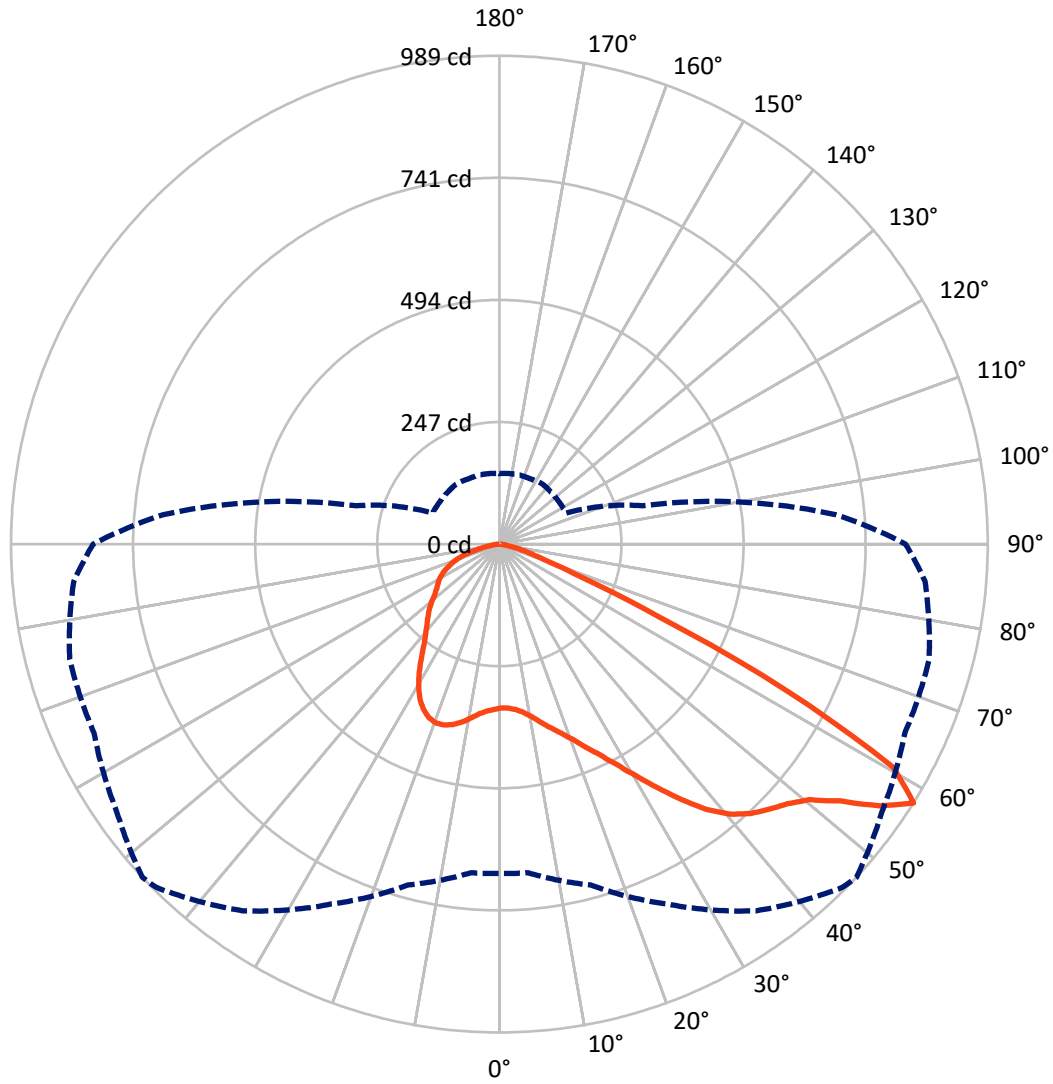
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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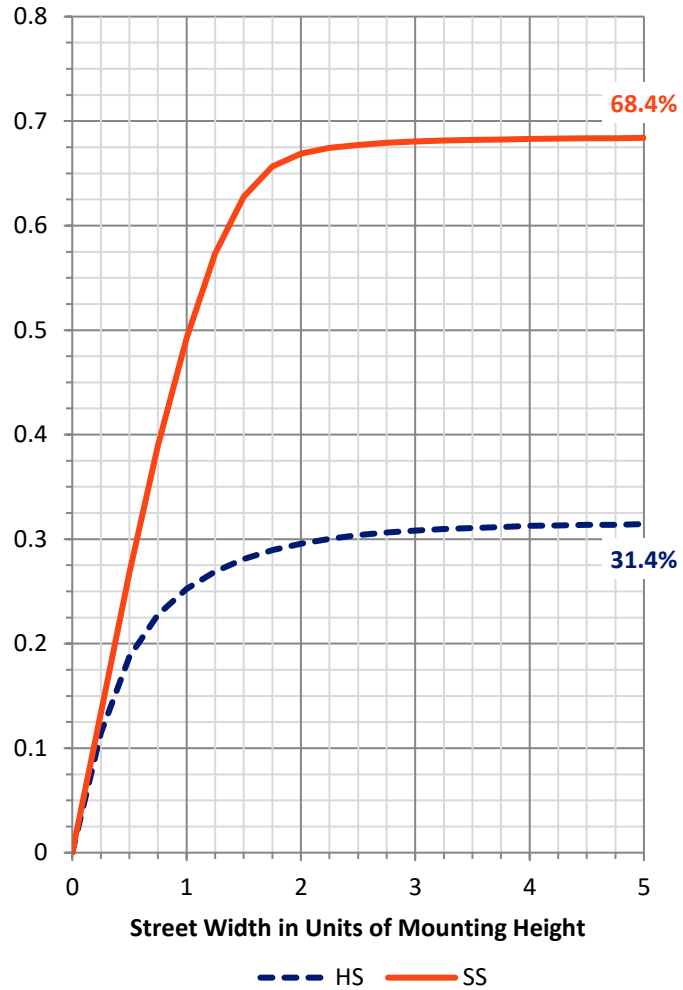
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.8	0.0	565.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1222.0	0.0	1222.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	1787.8	0.0	1787.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.8
10°-20°	107.6	6.0
20°-30°	193.7	10.8
30°-40°	292.5	16.4
40°-50°	393.9	22.0
50°-60°	473.3	26.5
60°-70°	230.5	12.9
70°-80°	56.8	3.2
80°-90°	6.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1787.8	100.0
0°-180°	1787.8	100.0

Coefficient of Utilization



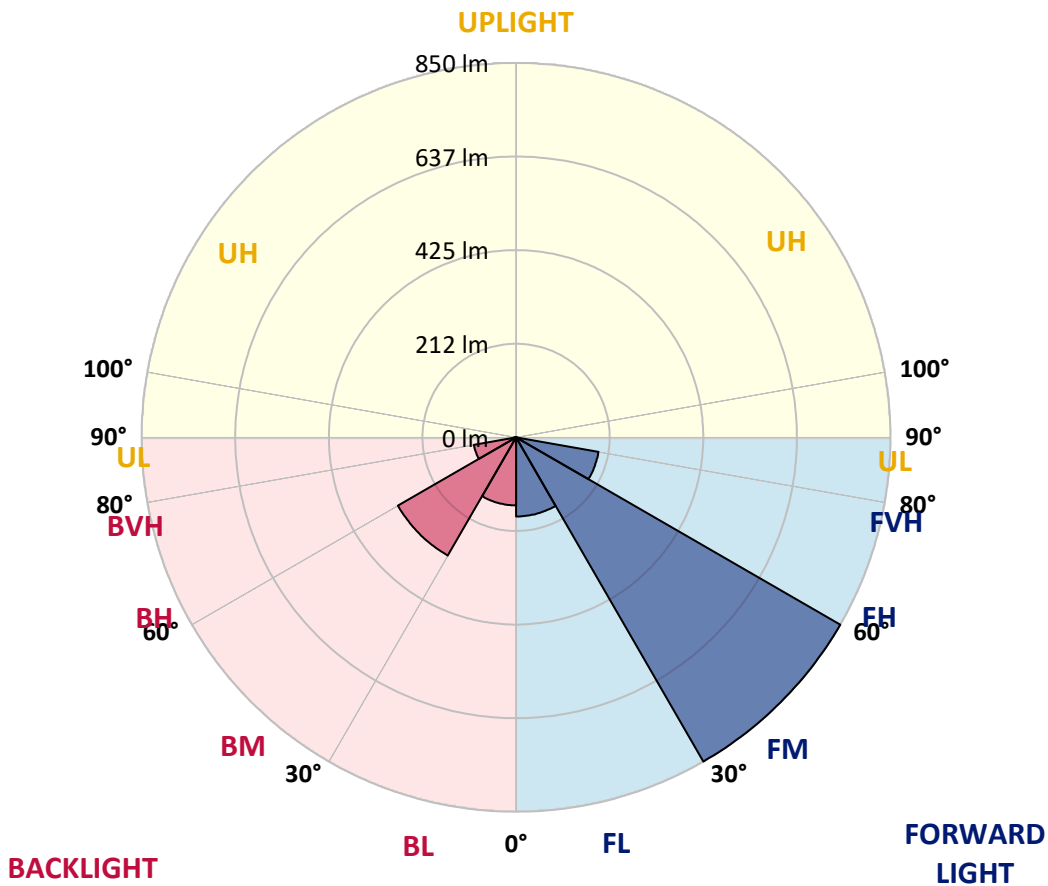
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.6	10.0			
FM (30°-60°)	849.8	47.5			
FH (60°-80°)	190.0	10.6			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	154.3	8.6	B1/500		
BM (30°-60°)	309.9	17.3	B1/1000		
BH (60°-80°)	97.3	5.4	B0/110		G0/110
BVH (80°-90°)	4.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6
2.5°	330.9	330.8	330.8	331.7	331.7	332.0	332.5	332.9	333.1	332.3	330.6
5°	334.6	334.6	334.6	335.3	335.3	335.6	336.2	336.4	336.2	335.0	333.4
7.5°	340.3	340.3	340.4	341.3	342.1	342.5	343.6	343.4	343.0	341.0	338.9
10°	349.6	350.0	350.5	351.5	353.0	354.1	354.8	354.8	354.2	351.2	348.5
12.5°	362.8	363.4	363.8	364.7	365.9	367.7	369.4	369.4	368.6	364.9	360.8
15°	378.2	378.9	378.7	379.0	381.3	383.8	385.2	386.1	386.4	381.1	374.8
17.5°	396.0	396.6	396.0	395.1	395.4	399.4	401.8	405.1	407.1	400.0	390.0
20°	412.0	411.4	411.4	412.0	412.9	417.9	421.5	426.9	429.3	420.7	405.1
22.5°	429.0	430.4	429.8	429.8	433.4	441.6	446.0	453.0	455.6	444.5	423.4
25°	450.9	452.1	451.8	452.1	456.3	468.0	472.4	485.5	488.0	472.1	443.7
27.5°	475.0	476.9	477.8	477.5	484.3	499.6	505.0	523.2	527.8	503.0	465.3
30°	506.2	508.3	509.0	508.7	516.7	537.6	543.7	564.4	571.1	539.7	492.8
32.5°	542.4	544.5	546.7	547.6	557.8	579.2	588.0	609.5	619.0	582.0	526.0
35°	578.3	580.1	584.4	591.5	605.4	627.2	635.0	656.2	665.4	626.0	566.1
37.5°	617.9	619.1	622.9	632.6	652.7	673.5	681.3	701.5	702.6	668.5	611.4
40°	661.3	661.3	660.5	670.2	691.2	712.1	718.8	730.5	724.4	701.2	655.6
42.5°	698.1	697.5	698.1	707.1	722.7	739.7	745.5	743.3	735.5	726.3	695.5
45°	731.3	731.7	737.1	744.0	752.1	762.2	765.7	752.9	745.8	746.4	727.5
47.5°	753.8	754.2	766.9	778.4	783.4	786.5	785.0	767.3	763.7	770.5	752.1
50°	756.8	759.2	781.0	804.7	817.0	817.5	813.3	791.6	790.6	798.2	765.4
52.5°	757.4	759.8	787.0	829.8	861.8	868.5	863.7	841.2	830.2	822.6	781.6
55°	755.1	757.9	787.9	846.6	907.9	934.9	935.3	903.5	868.5	863.4	827.8
57.5°	666.7	667.8	714.3	803.8	906.1	982.6	988.5	945.2	905.3	900.5	864.9
60°	464.4	468.6	519.2	637.4	761.2	896.1	915.1	902.5	875.7	840.7	742.1
62.5°	232.6	236.2	287.0	398.7	525.0	631.6	651.8	665.2	671.5	634.0	505.3
65°	100.2	102.9	134.4	208.3	297.2	348.7	355.7	371.8	411.1	366.8	272.2
67.5°	67.0	68.8	84.8	127.0	175.1	178.4	177.3	180.8	189.3	156.3	123.0
70°	51.4	52.9	63.7	93.1	125.8	107.7	102.0	92.5	100.5	102.4	99.7
72.5°	37.2	38.4	46.5	63.5	78.8	68.8	67.9	72.7	83.5	86.5	84.8
75°	24.0	24.6	29.6	34.8	40.7	44.1	45.9	54.7	65.6	67.9	65.9
77.5°	16.1	16.5	19.4	22.4	23.1	23.3	23.9	27.8	35.3	39.5	39.0
80°	8.4	8.4	9.5	9.5	10.8	12.9	13.5	16.1	19.5	21.6	21.8
82.5°	3.3	3.5	4.1	4.5	5.4	6.6	7.1	8.4	10.2	11.7	13.1
85°	1.4	1.5	1.7	2.0	2.4	3.0	3.2	3.6	4.8	6.0	6.8
87.5°	0.0	0.0	0.2	0.2	0.3	0.5	0.5	0.6	0.8	1.4	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6	331.6
2.5°	332.6	330.6	332.6	333.2	334.9	335.5	334.4	334.3	334.3	332.8	332.3
5°	334.9	333.1	335.0	335.9	338.3	339.8	340.1	341.3	342.1	341.5	341.3
7.5°	340.4	338.2	340.3	341.6	344.8	347.2	348.2	350.9	352.9	352.6	352.4
10°	350.2	347.2	349.6	351.8	355.3	358.1	358.3	359.8	361.7	361.1	360.8
12.5°	361.4	358.6	361.3	363.5	367.6	368.8	366.8	366.2	366.5	365.8	365.2
15°	375.2	371.2	373.6	376.1	378.4	377.0	372.8	371.2	371.0	370.0	369.4
17.5°	389.1	384.0	385.8	387.1	386.1	381.9	376.6	373.7	372.4	370.3	369.7
20°	402.7	396.3	396.0	394.9	390.1	382.5	375.4	369.7	366.2	363.4	362.3
22.5°	418.3	409.3	404.8	400.0	389.5	377.0	366.4	358.3	352.7	349.1	347.9
25°	435.2	422.4	413.1	403.5	383.5	365.5	350.6	339.5	332.9	329.0	327.6
27.5°	451.8	434.3	420.3	403.9	371.5	348.8	328.8	313.8	307.2	304.1	303.0
30°	474.4	450.0	428.9	398.1	355.7	325.7	300.8	285.6	281.2	279.0	278.1
32.5°	500.3	470.0	440.3	385.8	335.6	298.7	272.4	261.9	258.9	254.5	254.4
35°	534.6	498.5	451.1	367.6	310.2	269.7	250.6	243.1	237.7	230.8	230.2
37.5°	574.5	534.1	456.9	344.5	280.6	245.8	234.4	226.0	217.3	208.1	206.9
40°	615.8	575.7	457.4	317.1	251.7	230.0	220.4	209.5	198.7	188.4	187.1
42.5°	659.2	614.4	449.4	285.6	227.9	216.4	206.6	192.8	180.6	173.7	173.0
45°	697.9	645.7	431.4	252.4	210.4	205.0	192.5	177.6	171.2	166.2	165.2
47.5°	728.4	666.4	407.1	222.7	196.1	193.3	177.0	169.4	164.4	159.9	158.9
50°	743.4	671.1	375.4	198.5	182.9	179.4	168.3	162.5	159.2	155.6	154.7
52.5°	762.1	676.3	348.1	178.2	170.0	165.3	161.1	156.5	154.1	151.8	151.1
55°	804.8	696.1	333.7	162.0	157.7	155.6	155.0	151.1	150.3	148.8	147.5
57.5°	822.3	683.4	299.6	148.8	147.9	148.2	149.7	146.1	145.4	143.6	142.7
60°	661.3	516.5	202.9	137.4	139.8	141.7	143.3	139.6	138.6	138.3	137.1
62.5°	423.7	317.7	141.6	126.7	130.3	132.7	133.6	130.2	129.4	131.8	132.0
65°	220.6	173.1	114.9	115.3	118.3	121.9	123.7	122.5	122.2	124.8	124.9
67.5°	112.6	105.9	100.2	101.8	104.2	108.9	113.1	118.3	120.1	120.4	120.6
70°	96.0	92.9	90.1	91.1	93.7	96.3	100.3	102.9	99.9	99.1	98.8
72.5°	81.7	79.4	78.1	79.3	80.6	80.2	79.0	80.2	80.6	80.8	80.9
75°	63.5	61.9	60.8	61.0	61.0	59.3	57.1	55.7	54.2	53.0	53.0
77.5°	38.9	39.2	40.2	40.1	39.9	39.3	37.1	35.9	32.3	31.2	31.2
80°	22.2	22.7	23.7	24.0	24.0	23.3	21.0	19.7	18.0	17.3	17.1
82.5°	13.5	14.1	14.7	15.0	15.2	14.3	12.3	11.3	10.4	9.6	9.6
85°	7.1	7.4	8.0	8.1	7.7	6.8	5.7	5.3	4.4	4.2	4.2
87.5°	2.0	2.1	2.4	2.0	1.8	1.4	0.8	0.6	0.3	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)